Section 5.1: Sempling Plans and Experimental

Tuesday, February 26, 2019 4:44 PM Design

we've now studied probability distributions:

normal distribution - need to know u and o binomial - need to know u and p

these parameters ( $\mu, \sigma, \rho$ ) are numbers describing the entire population

but what if we can't or don't went to measure the entire population?

-take a semple

- but how can we estimate the parameters of the population from the statistics of the sample?

sampling plan - the way a sample is selected from the population

-7 this method determines the quality of your sample

in this course, we will look at the situation in which there is a population of individuals lobyects and we are selecting some of them for measurement

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what is the difference between Stratified and cluster?

in both, break into groups, measure individuals from group

stratified: measure all groups, some individuels from each group

cluster: measure some groups, all individuels from that group

non-random samples:

- convenience sample

- individuals are chosen because of ease

- call for volunteers

- internet polls